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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,676	06/16/2005	Einar Kristiansen	1935-00165	8594
26753	7590	10/10/2006	EXAMINER	
ANDRUS, SCEALES, STARKE & SAWALL, LLP 100 EAST WISCONSIN AVENUE, SUITE 1100 MILWAUKEE, WI 53202			COY, NICOLE A	
			ART UNIT	PAPER NUMBER
			3672	

DATE MAILED: 10/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/539,676

Applicant(s)

KRISTIANSEN, EINAR

Examiner

Nicole Coy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 6/16/05
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The spacing of the lines of the specification is such as to make reading difficult.

New application papers with lines 1½ or double spaced on good quality paper are required.

2. The claims are objected to because the lines are crowded too closely together, making reading difficult. Substitute claims with lines one and one-half or double spaced on good quality paper are required. See 37 CFR 1.52(b).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Willhite et al. (USP 3,511,282).

With respect to claim 1, Willhite et al. discloses casing with isolated annulus space characterised by that is comprised of an inner pipe (4), and a outer pipe (16), two end subs (8,10), and in between these components an isolated, circular hollowed space (14) that is used to transport different medium down into the well, the medium can be vacuum, air, gas, solids, fluids, tracers, or other well stimulating medias characterised

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by that the medias are released by perforating the casing (wherein the casing is capable of being perforated).

With respect to claim 2, Willihite et al. discloses casing with isolated annulus space as described in claim 1, characterised by that it can be installed as an integrated part of the casing in the well (see figure 1).

With respect to claim 3, Willihite et al. discloses casing with isolated annulus space as described in claim 1, characterised by that vacuum, air, or gas is transported in the isolated space down into the well (wherein 14 inherently has air).

With respect to claim 6, Willihite et al. discloses casing with isolated annulus space as described in claim 1, characterised by that support rings (2) are installed in the isolated space to avoid collapse due to pressure differentials.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4, 5, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Willihite et al.

With respect to claim 4, while Willihite et al. does not disclose the isolated annulus space contains well stimulating fluids. However, the isolated annulus space of Willihite et al. is capable of holding well stimulating fluids. It would have been obvious

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to put well stimulating fluids in the isolated annulus space in order to transport well stimulating fluids to the wellbore. Furthermore, it appears that there is no criticality to the medium as the medium can be a range of items as listed in claim 1.

With respect to claim 5, while Willihite et al. does not disclose the isolated annulus space contains scale inhibitors. However, the isolated annulus space of Willihite et al. is capable of holding scale inhibitors. It would have been obvious to put scale inhibitors in the isolated annulus space in order to transport scale inhibitors to the wellbore. Furthermore, it appears that there is no criticality to the medium as the medium can be a range of items as listed in claim 1.

With respect to claim 7, while Willihite et al. does not disclose the isolated annulus space contains a solid material that is transformed into gas when perforating is installed in the isolated space. However, the isolated annulus space of Willihite et al. is capable of holding a solid material that is transformed into gas when perforating is installed in the isolated space. It would have been obvious to put a solid material that is transformed into gas when perforating is installed in the isolated space in the isolated annulus space in order to transport a solid material that is transformed into gas when perforating is installed in the isolated space to the wellbore. Furthermore, it appears that there is no criticality to the medium as the medium can be a range of items as listed in claim 1.

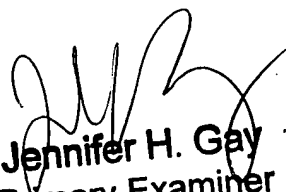
Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicole Coy whose telephone number is 571-272-5405. The examiner can normally be reached on M-F 7:30-5:00, 1st F off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

nac


Jennifer H. Gay
Primary Examiner